

# Yiyu Zhou

## List of Publications by Year in descending order

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29  
papers

841  
citations

567281

15  
h-index

580821

25  
g-index

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all docs

29  
docs citations

29  
times ranked

661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon Acceleration Using a Time-Varying Epsilon-near-Zero Metasurface. ACS Photonics, 2021, 8, 716-720.	6.6	24
2	Confocal super-resolution microscopy based on a spatial mode sorter. Optics Express, 2021, 29, 11784.	3.4	13
3	High-fidelity spatial mode transmission through a 1-km-long multimode fiber via vectorial time reversal. Nature Communications, 2021, 12, 1866.	12.8	27
4	Multiprobe Time Reversal for High-Fidelity Vortex-Mode-Division Multiplexing Over a Turbulent Free-Space Link. Physical Review Applied, 2021, 15, .	3.8	13
5	Compensation-free high-dimensional free-space optical communication using turbulence-resilient vector beams. Nature Communications, 2021, 12, 1666.	12.8	86
6	Tunable Doppler shift using a time-varying epsilon-near-zero thin film near 1550 nm. Optics Letters, 2021, 46, 3444.	3.3	6
7	Experimental demonstration of superresolution of partially coherent light sources using parity sorting. Optics Express, 2021, 29, 22034.	3.4	27
8	Adiabatic Frequency Conversion Using a Time-Varying Epsilon-Near-Zero Metasurface. Nano Letters, 2021, 21, 5907-5913.	9.1	30
9	Direct Tomography of High-Dimensional Density Matrices for General Quantum States of Photons. Physical Review Letters, 2021, 127, 040402.	7.8	12
10	Turbulence-resilient pilot-assisted self-coherent free-space optical communications using automatic optoelectronic mixing of many modes. Nature Photonics, 2021, 15, 743-750.	31.4	45
11	Experimental demonstration of superresolution of partially coherent light sources using parity sorting: erratum. Optics Express, 2021, 29, 35579.	3.4	0
12	High-dimensional quantum key distribution based on mutually partially unbiased bases. Physical Review A, 2020, 101, .	2.5	15
13	Broadband frequency translation through time refraction in an epsilon-near-zero material. Nature Communications, 2020, 11, 2180.	12.8	121
14	Vectorial Phase Conjugation for High-Fidelity Mode Transmission Through Multimode Fiber. , 2020, , .		3
15	Performance of real-time adaptive optics compensation in a turbulent channel with high-dimensional spatial-mode encoding. Optics Express, 2020, 28, 15376.	3.4	21
16	Simultaneous turbulence mitigation and channel demultiplexing for two 100 Gbit/s orbital-angular-momentum multiplexed beams by adaptive wavefront shaping and diffusing. Optics Letters, 2020, 45, 702.	3.3	6
17	Investigate the performance of real-time adaptive optics correction in a turbulent high-dimensional quantum communication channel. , 2020, , .		0
18	Nonlinear Response of ENZ Plasmon Modes near 1550 nm. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Optimal measurements for quantum multiparameter estimation with general states. Physical Review A, 2019, 100, .	2.5	45
20	Performance analysis of $d$ -dimensional quantum cryptography under state-dependent diffraction. Physical Review A, 2019, 100, .	2.5	9
21	Single-Shot Direct Tomography of the Complete Transverse Amplitude, Phase, and Polarization Structure of a Light Field. Physical Review Applied, 2019, 12, .	3.8	11
22	Using all transverse degrees of freedom in quantum communications based on a generic mode sorter. Optics Express, 2019, 27, 10383.	3.4	33
23	Quantum-limited estimation of the axial separation of two incoherent point sources. Optica, 2019, 6, 534.	9.3	64
24	Realization of a scalable Laguerre-Gaussian mode sorter based on a robust radial mode sorter. Optics Express, 2018, 26, 33057.	3.4	38
25	Hermite-Gaussian mode sorter. Optics Letters, 2018, 43, 5263.	3.3	33
26	Distributed angular double-slit interference with pseudo-thermal light. Applied Physics Letters, 2017, 110, 071107.	3.3	6
27	Digital spiral object identification using random light. Light: Science and Applications, 2017, 6, e17013-e17013.	16.6	47
28	Sorting Photons by Radial Quantum Number. Physical Review Letters, 2017, 119, 263602.	7.8	97
29	Improved time-of-flight range acquisition technique in underwater lidar experiments. Applied Optics, 2015, 54, 5715.	2.1	9